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The Summer Quarter
of
The University of Chicago
1913

PRELIMINARY LIST
OF COURSES



A Circular giving complete
information will be issued about March 1
and will be sent on request

GENERAL INFORMATION

The Organization of the University includes: the Graduate School of Arts and Literature; the Ogden (Graduate) School of Science; the Colleges (Senior and Junior) of Arts, Literature, and Science; the Divinity School, the Law School, Courses in Medicine, the College of Education, the College of Commerce and Administration.

Faculty, Endowment, and Equipment.—The faculty numbers three hundred and thirty-seven; the libraries contain 381,351 books and 195,000 pamphlets (estimated). The University owns 90 acres of land in Chicago and has 35 buildings.

Location of the University.—The University grounds lie on both sides of the Midway Plaisance between Washington and Jackson parks, six miles south of the center of Chicago. Electric cars, elevated trains, and the Illinois Central suburban service reach all railway stations.

The University Year is divided into quarters: the Autumn (October to December); the Winter (January to March); the Spring (April to the middle of June); the Summer (middle of June to August). Students are admitted at the opening of each quarter; graduation exercises are held at the close of each quarter.

Admission to Colleges and Schools.—Students must present satisfactory evidence of the completion of a four years' course in an acceptable high school or academy in order to be admitted to candidacy for the Bachelor's degrees. Graduate students must possess Bachelor's degrees from accredited colleges. Qualified students over twenty-one may be admitted as unclassified students.

The Unit of Work and of Credit is a major, i.e., a course of instruction involving four or five recitations or lecture hours per week for a full quarter, or double that number of hours for a term of six weeks. A minor is one-half a major. Normal work is three majors per quarter, or nine per year of three quarters.

Degrees.—In the Graduate Schools are conferred the degrees of Doctor of Philosophy and Master of Arts, of Science, and of Philosophy; in the Colleges, the degrees of Bachelor of Arts, of Science, of Philosophy; in the Divinity School, the degrees of Bachelor of Divinity, Master of Arts, and Doctor of Philosophy; in the Law School, the degrees of Doctor of Laws and Bachelor of Laws; in the College of Education, the degrees of Bachelor of Arts, Philosophy, or Science, in Education.

Tuition, Fees, etc.—The regular fee for three major courses in Arts, Literature, and Science, and in the College of Education is \$40 per quarter. All students pay once a matriculation fee of \$5. In Law and Medicine, the fees are \$50 and \$60.

Cost of Living.—In University dormitories rooms rent from \$25 to \$75 per quarter. The charge for table-board in the women's halls is \$4.50 per week. At Hutchinson Hall (à la carte service) board costs from \$3.50 per week upward. Board and lodging may be had at the same or even lower rates outside the University.

Fellowships, Scholarships, Student Service, etc.—By virtue of endowments and special appropriations, fellowships and honor scholarships and service afford stipends or free tuition to a number of able and deserving students. Further information is contained in a circular entitled *Assistance to Students*, which will be sent upon request.

THE SUMMER QUARTER

These Announcements are provisional and incomplete. A detailed circular will be issued about March 1.

The Calendar for 1913.—The First Term begins Monday, June 16, and closes Wednesday, July 23; the Second Term begins Thursday, July 24, and ends Friday, August 29, the Autumn Convocation being held on the afternoon of that day.

A Quarter of Regular Work for Credit.—In the personnel of the teaching staff, in scope and methods of instruction, and in credit-value the work of the Summer Quarter ranks with that of the other quarters of the academic year.

Precaution about Gaining Admission.—Undergraduate students should make sure that they are eligible for admission before they leave home for Chicago. Persons thus failing to make arrangements in advance may be rejected or directed to the University High School. Graduate students should inquire in advance as to their eligibility for registration in the Graduate Schools. Application in writing should be made to the University Examiners.

Limitation of Work, etc.—The student is limited to three minor courses for each term, or to three major courses for both terms. In special cases permission may be obtained from the deans to pursue an additional course, for which in the case of undergraduate students, a supplementary fee must be paid. Graduate and Law students are given larger privileges, and students in the College of Education may add one of the arts without additional fee.

Graduate Study.—College professors and school teachers, clergymen, and members of other professions, holding Bachelor's degrees from accepted colleges, may avail themselves of the facilities of the University to pursue advanced studies under the guidance of research professors in all the chief departments of investigation.

Biblical and Theological Study.—The Divinity School offers to professors of theology, to theological students, to ministers, to religious workers, and to others interested in biblical and theological study, introductory and advanced courses in all its departments. See p. 11.

Professional Courses in Law.—Students beginning the study of law, those in the midst of their professional studies at Chicago or elsewhere, and practicing lawyers are offered work of a thorough and systematic character. See p. 14.

Courses in Medicine.—College seniors planning to study medicine, students in medical schools, and practitioners will find the summer course in medicine admirably adapted to their needs. The Summer Quarter is of especial value to students who need to review and to make up work. See p. 16.

Educational Principles and Methods.—The courses of all departments have a bearing upon the work of teaching, but the courses of the College of Education are peculiarly adapted to the professional needs of teachers, both in primary and secondary schools. The work in the various shops affords unusually complete instruction in the industrial arts and crafts. See p. 11.

Public Lectures.—A series of public lectures, concerts, and other forms of entertainment is scheduled throughout the Summer Quarter, and affords opportunity to students to hear speakers of eminence and artists of distinction.

Chicago in Summer.—An agreeable summer temperature, spacious parks, notable libraries and museums, great industrial plants, typical foreign colonies, a number of Settlements, and other significant social institutions make Chicago a peculiarly appropriate center for study and investigation.



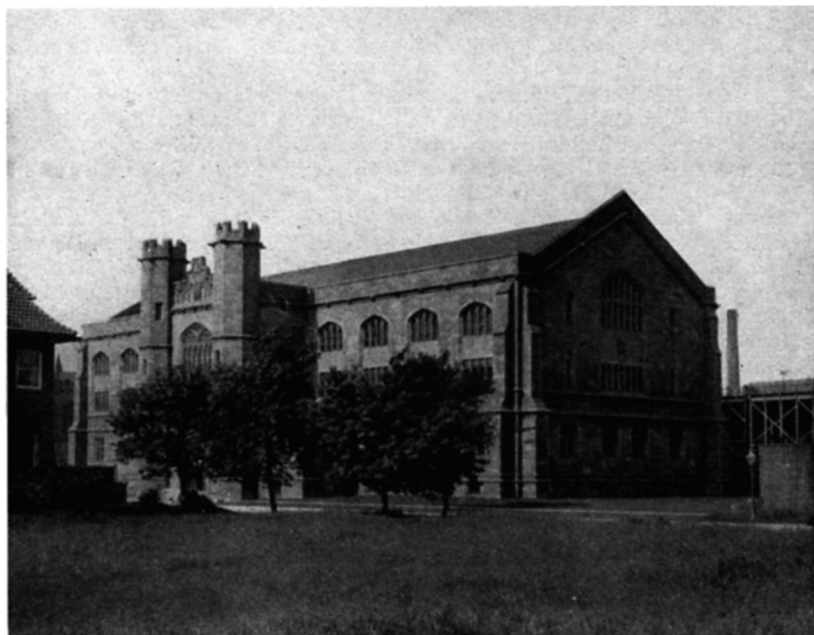
COBB HALL AND MEN'S DORMITORIES



WOMEN'S HALLS



HUTCHINSON COMMONS, MITCHELL TOWER, AND THE REYNOLDS CLUB



BARTLETT GYMNASIUM

Excursion Parties.—It has been customary, especially in the South, to organize special excursion parties for the journey to Chicago. The University will be glad to put inquirers into communication with the organizers of such parties.

ARTS, LITERATURE, AND SCIENCE

NOTE.—The following condensed paragraphs contain hardly more than titles of courses. No systematic attempt is made to indicate (a) the character of the courses; (b) to what types of students they are open; (c) what prerequisites are demanded; or (d) at what hours the classes meet. All details are given in the complete announcements, which will be mailed promptly to all who apply to the UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS.

Philosophy, Psychology, and Education.—Courses will be offered in Metaphysics, in Ethics, and in the History of Philosophy; in Elementary and Advanced Psychology, in Genetic and Experimental Psychology, in Educational Psychology, in the History of Education, in School Organization and Administration, in the Formation of the Curriculum, in the Relation of the Arts to the Course of Study, in Industrial Education, in Child-Study, and in the Pedagogy of the various subjects of the school course.

Political Economy, Political Science, History, Sociology and Anthropology, and Household Administration.—Courses will be offered in the Principles of Political Economy, in Transportation, in Taxation, in Public Finance, in Statistics, in Values, in Distribution of Wealth, and in Money; in Constitutional Law; in Ancient History, in Mediaeval and Modern History [Church and State], in English History, Political and Industrial, in American Constitutional History, and in various periods of Political and Industrial History, also Teacher's Course in American History; in Archaeology and Anthropology, in the Fundamental Ideas of Sociology, in the Growth of Sociological Method, in Rural Sociology, in Social Technology; in the Chemistry of Food Preparations, in Home Economics, in House Sanitation, and in the Legal and Economic Aspects of Household Administration.

Semitics and Biblical Greek.—Courses will be offered in the Interpretation of the Old Testament, in Elementary and Advanced Hebrew, in Assyrian and Egyptian Languages, and in History; and in New Testament History.

Comparative Religion.—Courses will be offered in the Outline History of Religion and in the Philosophy of Religion.

History of Art, Sanskrit, Greek, and Latin.—Courses will be offered in Prehistoric Art in Greece, in Greek Architecture, in Roman Sculpture, in Roman Coins, in an Introduction to the Study of Art, and in Flemish and Dutch Painting; in Elementary Sanskrit, in the Study of the Veda, in Hindu Religion, in Indo-European Comparative Philology, in an Introduction to the Study of Language, and in Outlines of Latin Historical Grammar; in Beginning Greek, in Anabasis, in Homer, Iliad and Odyssey, in Plato's Apology, in an Introduction to Greek Tragedy, in Aristotle's Poetics, in Lyric Poetry, in Isocrates, and in the Public Orations of Demosthenes; in Cicero, De Senectute, De finibus, Academica, and De Natura deorum, in Terence, the Phormio, in Livy, in Horace, Odes and Epodes, in Catullus, in Juvenal, in Virgil's Aeneid, with especial reference to the technique, in Ovid, Metamorphoses, in Horace, Satires, in Roman Private Life, in Colloquial Latin, and in the Training of Teachers, first-year work in the Training of Teachers, course in Caesar, and in the Comparative Syntax of the Greek and Latin Verb.

Modern Languages.—Courses will be offered in Old English, in Middle English, in various periods of English Literature, and in English Composition; in Elementary and Intermediate French, in Old French Literature, in various

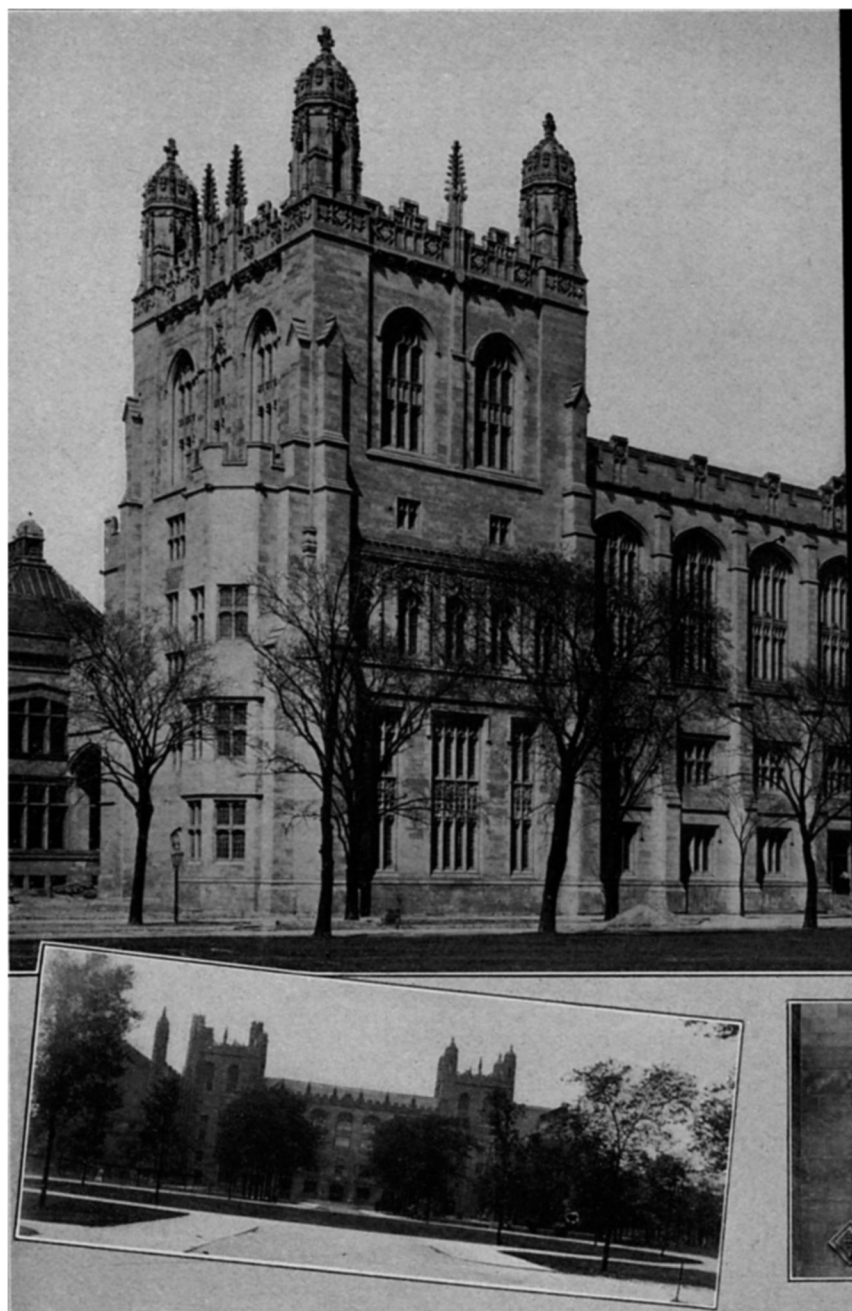
periods of later French Literature, in Phonetics, in French Grammar, in Spanish, and in Italian; in Elementary and Intermediate German, in the History of German Literature, in Recent German Literature and Drama, in Gothic, and in Middle High German; in Dante in English, and in the Short Story in various literatures.

Mathematics, Astronomy, Physics, and Chemistry.—Courses will be offered in Trigonometry, College Algebra, Plane Analytic Geometry, Graphic Analysis, Differential and Integral Calculus, in Advanced Calculus, in Theory of Functions, also Synoptic Course in Higher Mathematics; Definite Integrals, Differential

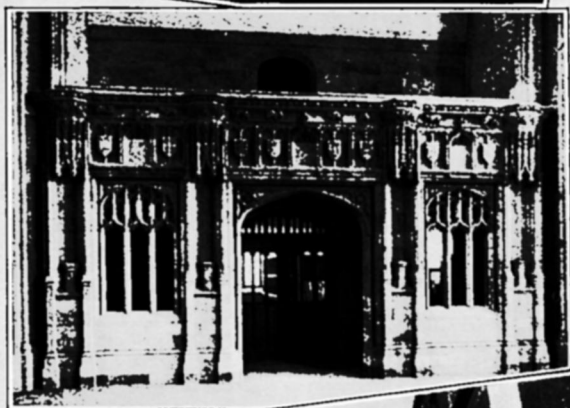
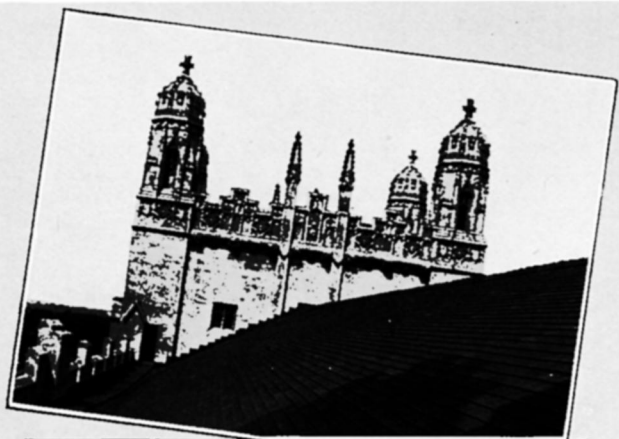


AUDITORIUM OF LEON MANDEL ASSEMBLY HALL

Geometry, Theory of Physical Units, Theory of Numbers, Vector Analysis, General Analysis, and Reading and Research in Pure and Applied Mathematics; Descriptive Astronomy, Introduction to Celestial Mechanics, Analytic Mechanics, Research work at the Yerkes Observatory; Theoretical Optics, Light Waves and Their Uses, Advanced Spectroscopy, Relativity, Electron Theory, Research, work, Graduate laboratory work, Electric Waves, Mechanics, Molecular Physics and Heat, Electricity, Sound, and Light, and Physical Manipulation, two Courses for Teachers; Elementary General Chemistry; General Inorganic Chemistry, Elementary and Advanced Qualitative and Quantitative Analysis, Special Methods of Analysis, Elementary Organic Chemistry, Advanced Organic Preparations, Advanced Inorganic Preparations, Elementary and Advanced Physical Chemistry, Advanced Physico-chemical Measurements, Research in Organic, Inorganic, and Physical Chemistry.



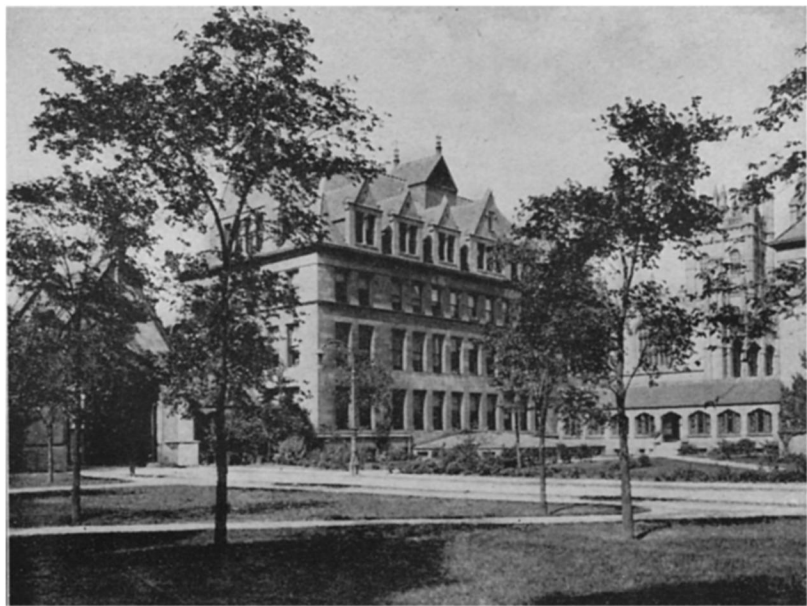
WILLIAM RAIN



Geology and Geography.—Courses will be offered in Physiography, in General Geology, in Economic Geology, in Elementary Mineralogy and Petrology, and several Field Courses for students of different stages of advancement; in the Conservation of Natural Resources, in the Geography of Europe, in Geographic Influences on American History, in Advanced and Elementary Commercial Geography, and perhaps in Anthropogeography.

The Biological Departments.—At the Marine Biological Laboratory, Woods Hole, Mass., courses in Zoölogy, Embryology, Botany, Physiological Chemistry, General and Comparative Physiology, and Biological Research, will be offered, for which credit is allowed in the University.

At the University of Chicago courses will be offered in Elementary Zoölogy, in Elementary Economic Field Zoölogy, in Experimental Behavior and Ecology,



HULL BIOLOGICAL LABORATORY AND MITCHELL TOWER

in Animal Geography, in Vertebrate and Invertebrate Zoölogy, in Genetics and Experimental Evolution, in Microscopical Technique, and advanced work in Zoölogy, including research, and in Embryology; in Introductory Anatomy; in Topographical Anatomy, Histology, in Anatomy of the Ear, Nose, and Throat, and in advanced research work; in Introductory Physiology, in Physiology of Digestion, Metabolism, Absorption, etc., in Physiology of Mammals, in Physiology of the Organs of Internal Secretion, in Research, and review courses in Physiology; in Teaching Botany in the High School, in Research in Morphology, in Special Morphology of Gymnosperms, in Research in Ecology, in Elementary Ecology, in Research in Taxonomy, in Classification of Vascular Plants, in General Morphology of Thallophytes, in Methods in Plant Histology, in Growth and Movement, in Research in Plant Physiology, in Elementary Plant Pathology, in Elementary Botany, and in Ecological Anatomy; in General Pathology and

Pathological Histology, in the Pathogenic Bacteria, in Sanitary Water Analysis, and in Research in Pathology and in Bacteriology.

Public Speaking.—Courses will be offered in Elementary and Advanced work in Public Speaking, with particular stress on the Vocal Interpretation of Literature, Oral Composition, and the pedagogy of both subjects as applied to High-School and College curricula.

THE SCHOOL OF EDUCATION

The School of Education of the University of Chicago consists of four divisions: (1) The Graduate Department of Education; (2) The College of Education; (3) The University High School; (4) The University Elementary School.

The Graduate Department of Education gives advanced courses in principles and theory of education, educational psychology, history of education, and social and administrative aspects of education. The Master's degree and the degree of Doctor of Philosophy are conferred.

The College of Education is a College of the University, with all the University privileges, and in addition provides the professional training of elementary and secondary school teachers and supervisors. It offers undergraduate courses in professional subjects and in the methods of arranging and presenting the various subject-matters which are taken up in the elementary and secondary schools. Certain of these courses can be completed in two years and lead to certificates; other courses cover a period of four years and lead to a Bachelor's degree.

The University High School with the fully equipped shops of the Manual Training School is in session during the Summer Quarter. Opportunity is offered to take beginning courses in Latin and German and to review courses in Mathematics, English, and History. The regular shopwork supplemented by discussions of methods is open to teachers pursuing these courses.

The University Elementary School.—Only the kindergarten department of the Elementary School is in session during the first term of the Summer Quarter. This offers an opportunity for observation.

COURSE OF INSTRUCTION IN THE GRADUATE DEPARTMENT AND IN THE COLLEGE

Courses in the Pedagogy of History and Literature in the Grades, in Home Economics, in English, in Mathematics, Physics, Geography, the Biological Sciences, School Library Economics; also in Oral Reading and in Hygiene and Physical Education, in Kindergarten Theory and Practice, in Children's Reading, in Aesthetic and Industrial Arts, in Household Art, and Review Courses in various subjects in the High School, will be offered, in addition to those named on p. 3.

THE DIVINITY SCHOOL

Admission.—The Divinity School is open to students of all denominations. The instruction is intended for ministers, missionaries, theological students, Christian teachers, and others intending to take up some form of religious work.

The English Theological Seminary is intended for those without college degrees. It is in session only during the Summer Quarter.

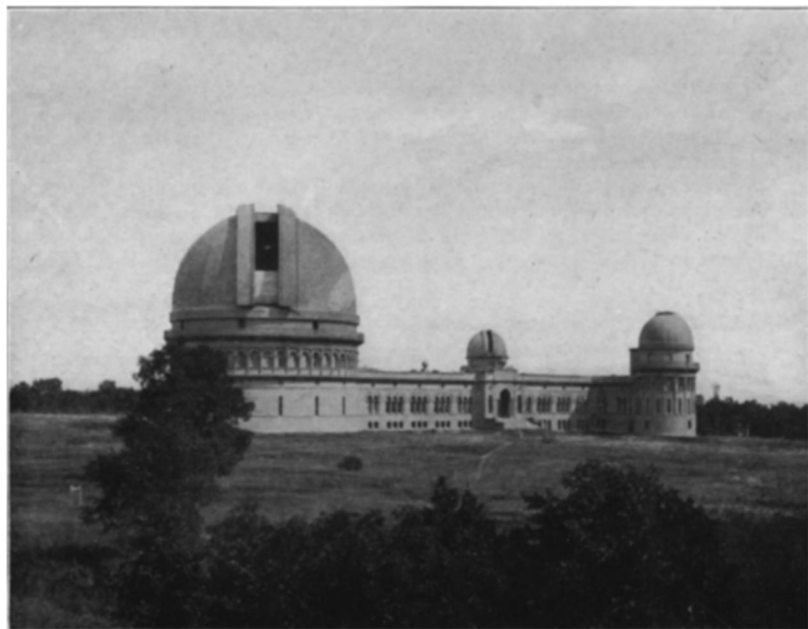
The Graduate Divinity School is designed primarily for college graduates. Pastors, theological teachers, students in other seminaries, and candidates for the ministry with requisite training are admitted in the Summer Quarter.



RYERSON PHYSICAL LABORATORY



HULL BOTANICAL LABORATORY



YERKES OBSERVATORY



THE UNIVERSITY PRESS

Expenses.—No tuition fee is charged in the Summer Quarter. Incidental and library fees to the amount of \$5 are charged, and matriculants pay the usual \$5 fee. Dormitory rooms cost \$8.75 to \$12.75 per quarter; table-board about \$3 per week in clubs or families.

In addition to the courses referred to on p. 3 there will be offered courses in Old and New Testament, in Biblical Theology, in Systematic Theology, in Church History, in Homiletics, in Religious Education, in Ecclesiastical Sociology, in Music, and in Public Speaking. Courses will be offered also in the Disciples' Divinity House.

THE LAW SCHOOL

Scope of Work.—The work of the Law School is intended for students whose education and maturity have fitted them to pursue serious professional study. The method of instruction employed—the study and discussion of cases—is designed to give an effective knowledge of legal principles, and to develop the power of independent legal reasoning. The three-year course of study offered constitutes a thorough preparation for the practice of law in any English-speaking jurisdiction. By means of the quarter system students may be graduated in two and one-fourth calendar years.

The Summer Quarter.—Regular courses of instruction counting toward a degree are continued through the Summer Quarter. Either advanced or beginning students may enter the school in the summer, and continue in the Autumn or in the next Summer Quarter. The courses are so arranged that students may take one, two, or three quarters in succession in the summer only, before continuing in a following Autumn Quarter. The summer work offers particular advantages to teachers, to students who wish to do extra work, and to practitioners who desire to study special subjects.

Building and Library.—The Law School occupies a building erected especially for it within the University quadrangles, and is equipped with a law library containing about 38,000 volumes.

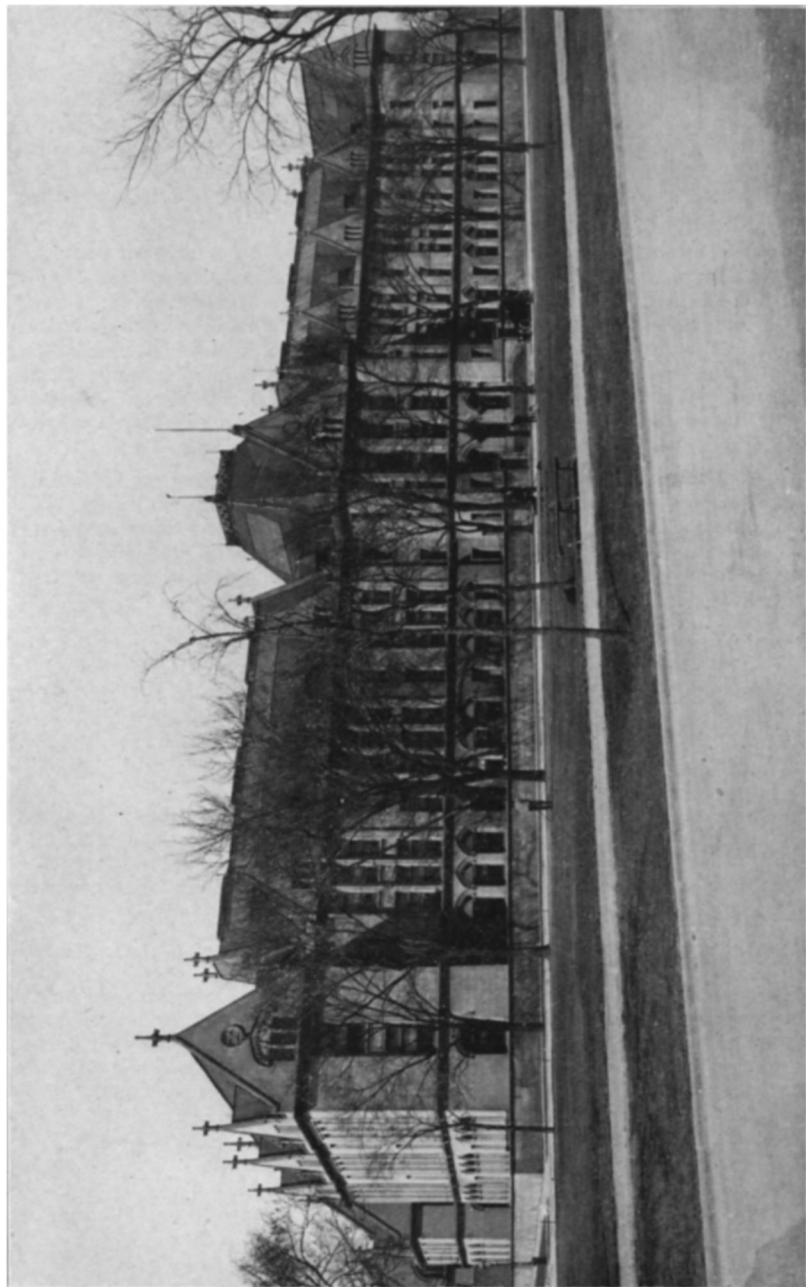
Admission Requirements and Degrees.—Only college graduates or students who have had college work equivalent to three years in the University of Chicago are admitted as regular students, candidates for the degree of Doctor of Law (J.D.). The University permits one year of law to be counted as the fourth year of college work, making it possible to obtain both degrees in six years.

Students over twenty-one years old who have completed at least a four-year high-school course may be admitted as candidates for the degree of Bachelor of Laws (LL.B.), but must maintain a standing 10 per cent above the passing mark. In rare instances students over twenty-one who cannot meet these requirements will be admitted as unclassified, not candidates for a degree.

Fees.—A matriculation fee of \$5 is required of every student entering for the first time. The tuition fee is \$50 a quarter (\$25 a term).

All correspondence concerning the Law School should be addressed to JAMES P. HALL, Dean of the University of Chicago Law School, Chicago, Ill.

Courses Offered.—During the Summer, 1913, the Law School will offer courses in: Contracts, Criminal Law, Title to Real Estate, Damages, Constitutional Law, Mortgages, Wills, Sales, and Trusts.



THE SCHOOL OF EDUCATION

COURSES IN MEDICINE

First Two Years of the Medical Course.—Courses in Medicine constituting the first two years of the four-year course in medicine of Rush Medical College are given at the University of Chicago. For the majority of students taking up medical work for the first time, it is of decided advantage to enter with the Summer or the Autumn Quarter. For the student who is lacking in any of the admission courses, or who seeks advanced standing, it is of especial advantage to enter for the Summer Quarter.

Requirements for Admission.—The requirements for admission comprise (a) fifteen units of high-school work, demanded for admission to the Junior Colleges of the University, and (b) two years of college work, which must have included at least four majors of college chemistry, including both inorganic and organic, and qualitative analysis (in addition to the year of high-school chemistry), one major of college biology with laboratory work, two majors of college physics, and a reading knowledge of German or French. Admission to advanced standing is granted students from other recognized institutions under suitable restrictions. *The inclusive fee in the Medical Courses is \$60 per quarter.*

Courses for Practitioners.—All the courses offered are open to practitioners of medicine, who may matriculate as unclassified or as graduate students. No student may register for a particular course unless he has had the prerequisite work. Attention is called to the fact that certain courses of special value to practitioners are given in the summer. Practitioners taking this work are free to attend the clinics at Rush Medical College without charge.

Courses in Medicine will be found listed on p. 10.

VARIOUS UNIVERSITY ACTIVITIES

UNIVERSITY PUBLIC LECTURES

By means of public lectures and entertainments of an educational character the University presents many opportunities for culture and instruction apart from the work of the laboratory and the classroom. The lectures are delivered by eminent scholars. Concerts or recitals will be given Tuesday evenings and popular lectures Friday evenings throughout the Summer Quarter.

CORRESPONDENCE-STUDY DEPARTMENT

The teachers and students who for any reason cannot come into residence during the summer or other quarters may study under the direct personal guidance of University instructors who conduct by correspondence more than three hundred and twenty-five of the classroom courses. The tuition fee is \$16 for one major, \$30 for two, and \$40 for three. Work may begin at any time.